

ANSWER KEY FOR
ARYABHATTA INTER-SCHOOL MATHS COMPETITION – 2015

Class - VIII

SECTION - A

1. (B)
2. (C)
3. (B)**
4. (B)
5. (D)
6. (D)
7. (B)
8. (A)
9. (C)
10. (C)

SECTION - B

11. (C)
12. (C)
13. (C)
14. (A)
15. (B)
16. (B) & (C)
17. (C)
18. (B)
19. (C)
20. (A)

NOTE: This answer key is created by KoolSmartLearning.com for reference purpose.

- 21. (B)
- 22. (C)
- 23. (B)
- 24. (A)
- 25. (C)
- 26. (A)
- 27. (C)
- 28. (B)
- 29. (A)
- 30. (B)

SECTION - C

- 31. 32 years
- 32. $\frac{2mn}{x^n(n^2-m^2)}$
- 33. ₹ 17000
- 34. $\frac{4}{13}$
- 35. $\frac{a-b-c}{a+b-c}$
- 36. 27000
- 37. -24xyz
- 38. $\frac{\sqrt{5}k}{2}$ units
- 39. 1000
- 40. 167 min
- 41. $\frac{4\pi-3\sqrt{3}}{6}$ cm²
- 42. $\left(\frac{a+b}{2}\right)^\circ$
- 43. 2702
- 44. 20
- 45. 25% profit
- 46. $2\sqrt{17}$ cm
- 47. 28 cm²

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48. $1\frac{72}{77}$
49. $\frac{100(x-z)}{x-y}$
50. $\frac{99}{100}$

SECTION - D

51. $14\frac{(\sqrt{2}-1)}{(\sqrt{2}+1)} \text{ cm}$
52. $\frac{8}{3} \text{ miles/hr}$
53. **25000**
54. **55 cm²**
55. **2222 cm²**
56. **14**
57. **1**
58. **3.8 km**
59. **2884**
60. **₹ 937.50**

**** The question statement is incorrect. 3.5 hours & 5 hours should be swapped.**

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